"IMPROVEMENTS TO ROADS AND DRAINS AT BHARATHNAGARA , SADIQ LAYOUT, ANJANADRI LAYOUT, BALANCE ROADS AND SURROUNDING AREA IN WARD NO.06 BYATARAYANAPURA SUB DIVISION ."

# PMC

## First & Final Bill

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Date: 25-07-2022

To,

ASSISTANT EXECUTIVE ENGINEER
BYATARAYANAPURA SUB DIVISION
BBMP
BANGALORE

Dear Sir,

**Sub:** M/s. Civil Pro Services for the work of **"IMPROVEMENTS TO ROADS AND DRAINS AT BHARATHNAGARA, SADIQ LAYOUT, ANJANADRU LAYOUT BALANCE ROADS AND SURROUNDING AREA IN WARD NO. 06 BYATARAYANAPURA SUB DIVISION"**

**Ref:** 1. Work Order No: BBMP/EE/BTP/WO/01/2021-22
2. Job code: 006-22-000006

We are here with forwarding to Sri. K Lakshmi Narayana Reddy, No:688, 1st Floor, Vyalikaval Society, Near Chaitanya School, Veeranapalya, Bangalore-560045. First & Final Bill duly verified and certified that the work is satisfactory and for a Gross Value of Rs. 5,14,07,402/- (Rs. Five Crore Fourteen Lakhs Seven Thousand Four Hundred and Two Only).

Thanking you,

Yours faithfully,

CIVIL Pro Sig..... Date..... BANGALORE

For Civil Pro

R KARTHIK RECHAN B.E, M.S (U.S.A)
AUTHORIZED SIGNATORY
CIVIL PRO

Attachments PMC Compliance report

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P Bangalore-560024.



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**NAME OF WORK:-Improvements to Roads and Drains at Bharathnagara, Sadiq Layout, Anjanadru Layout Balance Roads and Surrounding Area in Ward No. 06 Byatarayanapura Sub Division**

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| Name of Client | : | EXECUTIVE ENGINEER, BYATARAYANAPURA DIVISION, BBMP, BANGALORE |
| Contractor/ Agency | : | Sri. K Lakshmi Narayana Reddy, No:688, 1st Floor, Vyalikaval Society, Near Chaitanya School, Veeranapalya, Bangalore-560045. |
| Total Cost | : | Rs.51407402 |
| Date Of Inspection | : | 25-07-22 |
| Status Of Bill | : | First & Final Bill |
| In the Presence of | : | a) Assistant Engineer Byatarayanapura division, BBMP, Bangalore<br>b) R. Karthik Rechan, Partner, CIVIL PRO, BANGALORE |

**PMC COMPLIANCE REPORT**

| Sl. No. | Description of work | Comments/Observations |
|---|---|---|
| 1 | Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work | Work done upto the Billed Quantity and the Quality is satisfactory |
| 2 | Providing and laying Plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days Including cost of materials,labour, HOM curing form work, Scaffolding and Centering complete as per specifications and as per the directions of the Engineer-in-charge of the work | Work done upto the Billed Quantity and the Quality is satisfactory |

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| 3 | Providing laying plain reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification and as per the directions of the Engineer-in-charge of the work | Work done upto the Billed Quantity and the Quality is satisfactory |
| 4 | Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work | Work done upto the Billed Quantity and the Quality is satisfactory |
| 5 | Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. and as per the directions of the Engineer-in-charge of the work | Work done upto the Billed Quantity and the Quality is satisfactory |
| 6 | Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift, transportation etc ,complete. and as per the directions of the Engineer-in-charge of the work | Work done upto the Billed Quantity and the Quality is satisfactory |
| 7 | Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc.,complete. and as per the directions of the Engineer-in-charge of the work | Work done upto the Billed Quantity and the Quality is satisfactory |

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| 8 | Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour Complete as per specifications and directions of the Engineer in charge. | Work done upto the Billed Quantity and the Quality is satisfactory |
| 9 | Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications and as per the directions of the Engineer-in-charge of the work | Work done upto the Billed Quantity and the Quality is satisfactory |
| 10 | Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications and as per the directions of the Engineer-in-charge of the work | Work done upto the Billed Quantity and the Quality is satisfactory |
| 11 | Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications and as per the directions of the Engineer-in-charge of the work | Work done upto the Billed Quantity and the Quality is satisfactory |
| 12 | Providing and Constructing dry lean cement concrete mix CC1:5:10 Base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum over a prepared sub-base coarse and fine aggregate conforming to IS: 383-2016, aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications and as per the directions of the Engineer-in-charge of the work | Work done upto the Billed Quantity and the Quality is satisfactory |

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| 13 | Cement concrete pavement Construction of un-reinforced plain cement concrete pavement, using a grade concrete M30 over a prepared base with OPC course Aggregate @ 0.69cum fine aggregate @ 0.48cum course and fine aggregate confirming to IS 383-2016,with superplastisiser @3lts confirming to IS9103-2008mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine,and curing including cost of all materials,labour,hire chargedof machines,all lead and lift charges etc., complete as per specifications. -and as per the directions of the Engineer-in-charge of the work | Work done upto the Billed Quantity and the Quality is satisfactory |
| E1 | KSRB 5.2-3 : Providing and constructing granite / trap basalt size stone masonry in foundation cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 P.NO.23.1.NO.5.6 | Work done upto the Billed Quantity and the Quality is satisfactory |
| E2 | Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. and as per the directions of the Engineer-in-charge of the work | Work done upto the Billed Quantity and the Quality is satisfactory |

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Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore-560024



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